

## ABSTRACT

A phosphor having high luminescence when excited by  
5 vacuum ultraviolet ray and a vacuum ultraviolet radiation  
excited light-emitting device comprising the phosphor. The  
phosphor comprises a metal oxide comprises at least one metal  
element  $M^1$  selected from the group consisting of Ca, Sr and Ba,  
at least one metal element  $M^2$  selected from the group consisting  
10 of Y, La, Gd and Lu, at least one metal element  $M^3$  selected from  
the group consisting of Si and Ge and oxygen, and at least one  
metal element  $Ln^1$  selected from the group consisting of Ce, Pr,  
Nd, Pm, Sm, Eu, Tb, Dy, Ho, Er, Tm, Yb, and Mn, as an activator.